

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

First

Named

Inventor: Neil David Hammond Raven

Examiner: Deborah K. Ware

Serial No.: 10/614,370

Filing Date: July 8, 2003

Group Art Unit No. 1651

Title: DEGRADATION AND DETECTION  
OF TSE INFECTIVITY

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

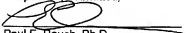
Dear Sir:

In accordance with the provisions of 37 C.F.R. § 1.56, Applicants request that citation and examination of the references identified on the attached Form PTO-1449, required copies of which are enclosed herewith in accordance with 37 C.F.R. §1.98, be made during the course of examination of the above-referenced application for United States Letters Patent.

Since this Information Disclosure Statement is being submitted after the mailing of the first Office Action, payment of the fee set forth in 37C.F.R. §1.17(p) accompanies this submission.

**- Payment by credit card. Form PTO-2038 is attached.**

Respectfully submitted,



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Form PTO-1449 (Rev. 8-88)	Attorney Docket No. MSQ01-002-CIP-US	Serial No. 10/614,370
<b>INFORMATION DISCLOSURE CITATION</b> (Use several sheets if necessary)	First Named Inventor Neil David Hammond Raven	
	Filing Date: July 8, 2003	Group: 1651

U. S. PATENT DOCUMENTS							
Examiner Initials*	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate	
	Z11	6,211,149	04/2001	Chesebro, et al.			

FOREIGN PATENT DOCUMENTS								
Examiner Initials*		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No
	Y9	EP 1 251 138	10/2002	EP				
	Y10	AU 742838	09/1998	AU				
	Y11	WO 98/37210	08/1998	WO				
	Y12	WO 97/38011	10/1997	WO				
	Y13	WO 00/26238	05/2000	WO				
	Y14	WO 00/48003	08/2000	WO				
	Y15	WO 00/78344	12/2000	WO				

OTHER ITEMS - NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Include, as applicable: Author, Title, Date, Publisher, Edition or Volume, Pertinent Pages
X38	Kascsak, R.J., et al., "Mouse polyclonal and monoclonal antibody to scrapie-associated fibril proteins", Journal of virology, pp. 3688-3693, (1987).
X39	Harmeyer, S., et al., "Synthetic peptide vaccines yield monoclonal antibodies to cellular and pathological prion proteins of ruminants", Journal of General Virology, vol. 79, pp. 937-945, (1998).
X40	Meyer, R.K., et al., "Detection of bovine spongiform encephalopathy-specific PrP <sup>Sc</sup> by treatment with heat and guanidine thiocyanate", Journal of Virology, vol. 73, no. 11, pp. 9386-9392, (1999).
X41	Wopfner, F., et al., "Analysis of 27 mammalian and 9 avian PrPs reveals high conservation of flexible regions of the prion protein", Journal of Molecular Biology, vol. 299, pp. 1163-1178, (1999).
X42	Dima, R.I., et al., "Exploring protein aggregation and self-propagation using lattice models: Phase diagram and kinetics", Protein Science, vol. 11, pp. 1036-1049, (2002).
X43	Abstract of: De Silva, B.S., et al., "Purified protein derivative (PPD) as an immunogen carrier elicits high antigen specificity to haptens", Bioconjug Chemistry, vol. 10, no. 3, pp. 496-501, (1999).
X44	Tomba, P., et al., "The role of dimerization in prion replication", Biophysical Journal, vol. 82, pp. 1711-1718, (2002).
X45	Bickel, U., et al., "Delivery of peptides and proteins through the blood-brain barrier", Advanced Drug Delivery Reviews, vol. 46, pp. 247-279, (2001).
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X47	Abstract of: Belhadi, J.B., et al., "Antigenicity of linear and cyclic peptides mimicking the disulfide loops in HIV-2 envelope glycoprotein: synthesis, reoxidation and purification", Journal of Peptide Research, vol. 51, no. 5, pp. 370-385, (1996).
X48	Abstract of: Patel, G., et al., "A cyclic peptide analogue of the loop III region of platelet-derived growth factor-BB is a synthetic antigen for the native protein", Journal of Peptide Research, vol. 53, no. 1, pp. 68-74, (1999).
X49	Riley, M.L., et al., "High-level expression and characterization of a glycosylated covalently linked dimer of the prion protein", Protein Engineering, vol. 15, no. 6, pp. 529-537, (2002).
X50	Abstract of: Ibsen, P.H., et al., "Induction of polyclonal antibodies to the S1 subunit of pertussis toxin by synthetic peptides coupled to PPD: effect of conjugation method, adjuvant, priming and animal species", APMIS, vol. 100, no. 2, pp. 158-169, (1992).